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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/933,823	08/22/2001	· Tsunehisa Kimura	026350-066	
759	90 12/04/2003	EXAMINER		
Robert G. Muk	tai JE, SWECKER & MATI	RODRIGUEZ, JOSEPH C		
P.O. Box 1404	ie, swecker & MATI	ART UNIT	PAPER NUMBER	
Alexandria, VA	22313-1404	3653		
			DATE MAILED: 12/04/2001	2

Please find below and/or attached an Office communication concerning this application or proceeding.

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			Application	n No.	Applicant(s)				
/ Office A - 41 Ourseller		09/933,823	3	KIMURA ET AL.					
	Office Action Summary		Examiner		Art Unit				
			Joseph C F		3653				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status									
1)⊠	Responsive to communication(s) fi	led on <u>29 Se</u>	ptember 20	<u>003</u> .					
2a)⊠	This action is FINAL .	2b)∐ This a	action is nor	n-final.					
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
 4) Claim(s) 1 and 4 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1 and 4 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 									
Application Papers									
9)⊠ The specification is objected to by the Examiner.									
10)⊠	10)⊠ The drawing(s) filed on <u>22 August 2001</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. §§ 119 and 120									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. 									
Attachment(s)									
2) Notic	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review mation Disclosure Statement(s) (PTO-1449)			4)					

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Final Rejection

Applicant's arguments filed 9/29/03 have been fully considered but they are not persuasive for reasons detailed below.

The prior art rejections are maintained or modified as follows:

Claims 1 and 4 are rejected under 35 U.S.C. 102(b) as anticipated by Westcott et al. ("Westcott")(US '170) or, in the alternative, under 35 U.S.C. 103(a) as obvious over Westcott in view of Shimoiizaka et al. ("Shimo")(US '124).

Westcott teaches a method for separating different kinds of plastic comprising preparing a solid plastic mixture of diamagnetic particles, precipitating said particles in a paramagnetic salt solution, and applying a magnetic field gradient to separate said particles (col. 4, ln. 34 et seq.). Here, Westcott teaches the separation of plastic (i.e., polyethylene), thus it is implicit that *different kinds* of these plastics (e.g., sizes or density) are involved. Further, it logically follows that if different kinds of plastics are involved then the gradient created by Westcott will suspend the particles at different locations (col. 5, ln. 5 et seq.).

Westcott as set forth above thus teaches all that is claimed. However, under an alternative interpretation, the different kinds of plastics and the levitation at different locations are not implicit in Westcott. These features, however, are well-known in the sorting arts. For instance, Shimo teaches that it is well known to apply the concept of magnetic fluid levitation to the separation of different kinds of articles (e.g., objects of different sizes or densities) by suspending the articles at different locations in the

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magnetic solution based on the differences in the articles (Fig. 4, 5, near B and C; Table 1). Moreover, the teachings of Shimo broadens the degree of separation expressly taught by Westcott by allowing articles to also be sorted by size and specific gravity (Abstract). Therefore, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the invention of Westcott as taught above thus expanding the separation capabilities of the Westcott method to expressly include different kinds of articles.

Applicant's contentions that certain features are not taught by Westcott are addressed by the rejection above.

Claim Objections

The claims are objected to as the form of claim 1 is improper. Where a claim sets forth a plurality of elements or steps, as in the instant claims, each element or step should be separated by a line indentation. See MPEP 608.01(m) and 37 CFR 1.75(i).

Further, claim 4 should read "The method" instead of "A method".

Examiner has maintained the prior art rejections, statutory rejections and drawing objections as previously stated and as modified above. Applicant's amendment necessitated any new grounds of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

Any references not explicitly discussed above but made of record are considered relevant to the prosecution of the instant application.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph C Rodriguez whose telephone number is **703-308-8342**. The examiner can normally be reached on M-F during normal business hours (9 am – 6 pm, EST).

The **Official** fax phone number for the organization where this application or proceeding is assigned is **703-872-9326** (After-Final **703-972-9327**).

The **UnOfficial** fax phone number for the organization where this application or proceeding is assigned is **703-306-2571** or **703-308-6552**.

The examiner's **UNOFFICIAL Personal fax number** is **703-746-3678**.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Receptionist** whose telephone number is **703-308-1113**.

December 1, 2003

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600